

Date: Mon, 18 Apr 94 04:30:20 PDT
From: Ham-Homebrew Mailing List and Newsgroup <ham-homebrew@ucsd.edu>
Errors-To: Ham-Homebrew-Errors@UCSD.Edu
Reply-To: Ham-Homebrew@UCSD.Edu
Precedence: Bulk
Subject: Ham-Homebrew Digest V94 #102
To: Ham-Homebrew

Ham-Homebrew Digest Mon, 18 Apr 94 Volume 94 : Issue 102

Today's Topics:

 Chirp in a CW transmitter ?
 LTC-1099 A-D Converter (2 msgs)
 Searching for 450 MHz Power transistor !
 Source for Piston Trimmer Caps ?

Send Replies or notes for publication to: <Ham-Homebrew@UCSD.Edu>
Send subscription requests to: <Ham-Homebrew-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Homebrew Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-homebrew".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 17 Apr 94 18:47:38 GMT
From: news-mail-gateway@ucsd.edu
Subject: Chirp in a CW transmitter ?
To: ham-homebrew@ucsd.edu

----- Forwarded message -----

===== transcript follows =====

While talking to ucsd.edu:
>>> RCPT TO:<homebrew@ucsd.edu>
<<< 550 <homebrew@ucsd.edu>... User unknown
>>> DATA
<<< 503 Need RCPT (recipient)

===== Unsent message follows =====

Date: Sun, 17 Apr 94 12:38:07 mdt
Message-Id: <71824@uugate.wa7slg.ampr.org>
From: wb9mjn@uugate.wa7slg.ampr.org

To: homebrew@ucsd.edu
Subject: Chirp in a CW transmitter...

Hi, I remember an old timer telling me, a long time ago, that single tube crystal controlled transmitters had problems with the crystal heating. Altho, a 15 watt oscillator might very well have problems with cap heating, too.

Did i understand u right? Is this the infamous single tube crystal controlled transmitter, from years and years ago, that u have built?

73, Don wb9mjn%wb9mjn.ampr.org@wb9uus.bradley.edu

----- End of forwarded message -----

Date: Sun, 17 Apr 94 15:30:34 -0500
From: yale.edu!noc.near.net!news.delphi.com!usenet@yale.arpa
Subject: LTC-1099 A-D Converter
To: ham-homebrew@ucsd.edu

Who makes and where can I obtain an LTC-1099 A-D converter chip. This chip is part of the JVFAX60 decoder. TIA

Ding

Date: Mon, 18 Apr 1994 01:58:55 GMT
From: paradox!bon@network.ucsd.edu
Subject: LTC-1099 A-D Converter
To: ham-homebrew@ucsd.edu

In article <p27uDOC.lk107@delphi.com>, Ding (lk107@delphi.com) writes:
> Who makes and where can I obtain an LTC-1099 A-D converter chip. This
> chip is part of the JVFAX60 decoder. TIA
>
> Ding

The LTC1099 is a High Speed 8-bit A/D converter wih a built in sample and hold. Linear Technology is the manufacturer. You can call to Linear Tecnology 408-432-1900 to get a list of distribuitors.

Best, JB KB5UWZ

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bon@paradox.win.net (Joaquin Bonilla, Forest, MS, USA)

Date: 17 Apr 1994 11:02:51 GMT
From: ihnp4.ucsd.edu!usc!howland.reston.ans.net!pipex!sunic!trane.uninett.no!
nac.no!news.kth.se!mattis@network.ucsd.edu
Subject: Searching for 450 MHz Power transistor !
To: ham-homebrew@ucsd.edu

Hi !

I am rebuilding a E.F. Johnson MT-9100 mobile telephone to be used for the 432-438 MHz amateur band. It works quite well except for the power-amplifier which seems to have a broken transistor.

Unfortunately these transistors (actually all in the unit) has E.F. Johanson proprietary numbers on them, and there is no translation table into "normal" numbers.. However, one can conclude who has manufactured them.

Please could anyone help me translate these E.F. Johnson numbers into real numbers:

E.F. Johnson #	Manufacturer	Description in partlist	Used as	Notes
4019	Motorola	1 W UHF transistor	Class-A	T039
4069	Thomson	2 W UHF transistor	Class-C	1)
4061	Motorola	5 W UHF transistor	Class-C	2)
4068	Motorola	15 W UHF transistor	Class-C	3) 4)
4027	Motorola	45 W UHF transistor	Class-C	3)

Notes:

- 1) Package type : Surface-opposed-emitter.
- 2) Package type : Surface-opposed-emitter stud mount.
- 3) Package type : Sorry I don't know the name, it is mounted to the heatsink with two screws. It has 6 connections, 4 of them emitter and the rest collector and base, Motorola calls it 316-01..
- 4) In one of the units I convert this one is marked MRF641.

Also, where (in the US or in Europe) can I order smaller quantities of the above transistors ? (One distributor here in Sweden could supply me with anything provided that I ordered at least 25 parts...)

Thanks in advance !

/Mattis

mattis@elixir.e.kth.se

Date: Sun, 17 Apr 1994 00:08:57 GMT
From: ihnp4.ucsd.edu!agate!iat.holonet.net!vectorbd!jp11@network.ucsd.edu
Subject: Source for Piston Trimmer Caps ?
To: ham-homebrew@ucsd.edu

HILLIER, MARK D. (md_hill@pavo.concordia.ca) wrote:
: Does anyone know where I can find a reliable supply of 1-10 pF piston trimmer
: caps. I understand that All Electronics used to carry a Johanson part, but I

Voltronics is another manufacturers as I recall....

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-Jim Lill-
jp11@vectorbd.com
wa2zkd@wb2psi.#wny.ny.usa.na

Vector Board BBS
716-544-1863/2645
GEnie: ZKD

End of Ham-Homebrew Digest V94 #102
